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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/05/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.73 X 150.69 X 150.15	22713	8.734	420.0	18.5	18.4
2	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.00 X 149.63 X 151.17	22444	8.351	407.6	18.2	
3	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.17 X 150.58 X 151.21	22612	8.072	421.4	18.6	

Note:
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Authorized Signatory
Technical Manager

CIVIL Pro Sig. Date BANGALORE

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Format No: CP/TR/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/06/2020

Lab ID	:	CP-2020/05.13.22
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No 14
Agency	:	M/S Technical Manger (Work), Karnataka Rural Infrastructure Development Limited, No 260, 19th Cross 17th C Main Road , 3rd V Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 Methods of Tests for Strength of Concrete CL5
Date of test	:	17/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.16 X 149.79 X 150.47	22493	8.343	532.7	23.7	23.2
2	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	151.60 X 149.41 X 151.18	22651	8.869	516.4	22.8	
3	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	149.46 X 151.95 X 150.67	22710	8.756	525.5	23.1	

Note:
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/05/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.46 X 150.57 X 151.36	22656	8.734	419.7	18.5	18.7
2	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	151.97 X 151.62 X 149.55	23042	8.351	437.6	19.0	
3	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.10 X 150.04 X 150.56	22520	8.072	418.0	18.6	

Note:
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/06/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.74 X 149.67 X 151.87	22561	8.343	527.7	23.4	23.1
2	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	149.72 X 149.17 X 149.37	22334	8.869	497.2	22.3	
3	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	149.45 X 149.64 X 149.14	22365	8.756	529.5	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/05/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.20 X 151.89 X 150.04	22815	**8.734**	412.9	18.1	18.1
2	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	149.51 X 151.44 X 150.75	22641	**8.351**	410.4	18.1	
3	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.35 X 150.08 X 151.99	22565	**8.072**	408.4	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22 Date: 17/06/2020

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	151.14 X 151.25 X 150.84	22859	8.343	535.9	23.4	23.2
2	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	151.80 X 151.73 X 150.67	23033	8.869	518.3	22.5	
3	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.36 X 149.64 X 150.56	22499	8.756	534.0	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/05/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-05-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	149.06 X 150.09 X 150.32	22373	**8.734**	414.1	18.5	18.7
2	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	150.00 X 149.80 X 150.15	22470	**8.351**	424.4	18.9	
3	Drain Bottom Slab Concrete	M20	20/05/2020	27/05/2020	151.53 X 151.63 X 151.41	22975	**8.072**	426.4	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22

Date: 17/06/2020

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-05-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.88 X 149.26 X 150.10	22521	8.343	532.1	23.6	23.1
2	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.50 X 150.57 X 151.15	22661	8.869	500.9	22.1	
3	Drain Bottom Slab Concrete	M20	20/05/2020	17/06/2020	150.48 X 151.18 X 151.72	22751	8.756	538.9	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-07-13-22** **Date: 30/05/2020**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.61 X 151.95 X 150.05	23036	**8.734**	414.8	18.0	18.4
2	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	149.84 X 149.33 X 150.88	22376	**8.351**	420.8	18.8	
3	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	149.16 X 151.05 X 151.62	22530	**8.072**	416.4	18.5	

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/06/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	150.96 X 151.47 X 151.64	22866	**8.343**	543.3	23.8	23.2
2	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.95 X 150.44 X 151.85	22559	**8.869**	498.4	22.1	
3	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.96 X 149.82 X 150.09	22467	**8.756**	530.6	23.6	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Authorized Signatory
Technical Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 30/05/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.48 X 149.37 X 151.44	22627	8.734	418.1	18.5	18.7
2	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	150.46 X 149.64 X 151.17	22515	8.351	422.2	18.8	
3	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	150.73 X 149.22 X 149.33	22493	8.072	425.8	18.9	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

CIVIL PRO BANGALORE Sig. Date

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/06/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	151.51 X 151.70 X 149.77	22984	8.343	530.9	23.1	23.0
2	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.18 X 151.13 X 151.07	22545	8.869	503.7	22.3	
3	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	150.95 X 149.95 X 150.10	22634	8.756	534.2	23.6	

Note:
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Authorized Signatory
Technical Manager

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